

## STANDARD FEATURES

80% AFUE  
Heating Input range 50,000 - 125,000 Btuh  
Two-stage heating  
Cooling capacity 1.5 - 5 ton  
Multi-position, upflow, downflow, horizontal left or right  
115V humidifier and electronic air cleaner connections  
Fused low voltage circuit protection  
Improved humidity control in cooling

## WARRANTY

Limited 25 year heat exchanger warranty, limited 5-year warranty on parts (see warranty certificate for details)  
Extended warranties available

## HEAT EXCHANGER ASSEMBLY

Crimp-Tite™ crimped primary heat exchanger made of corrosion resistant aluminized steel for longer life and safe operation

## VENTING

Category I appliance  
4" venting - vertical or horizontal with approved power venter

## CONTROLS

Interruption immune diagnostics for reliable troubleshooting  
115V EAC and HUM terminals  
2-stage gas control with a one or two stage thermostat

## SAFETY

CSA certified for US and Canada  
Multiple switch and sensor safeties for safe, reliable operation

## CABINET

Heavy-gauge, insulated cabinet for strength and quiet comfort  
Ducane diagnostic sleeve for fast, safe troubleshooting

## INDOOR AIR BLOWER

GE ECM brushless DC motor  
Slow quiet blower acceleration and deceleration  
Continuous fan at 50% of cooling CFM  
Blower will maintain CFM to help compensate for ductwork and filters  
Adjust cooling airflow with fine tune ability

# Ducane Gas Furnace

## FITS-ALL 80V™

### TWO-STAGE VARIABLE SPEED UPFLOW/HORIZONTAL/DOWNFLOW



**Ducane®**  
AIR CONDITIONING  
AND HEATING



## ***Model Number Guide***

MPG	A	V	050	B	3	
MPG = Multi-Position (Gas-Fired Warm Air Furnace)						Revision Level
Series						Blank = First Series
V = Variable Speed 2-Stage						Nominal Cooling Airflow Capacity
Nominal Input (Btuh) x 1000						3 = Adjustable from 600, 800, 1000, 1200 cfm
050 = 50,000 Btu/hr.						4 = Adjustable from 1000, 1200, 1400, 1600 cfm
075 = 75,000 Btu/hr.						5 = Adjustable from 1400, 1600, 1800, 2000 cfm
100 = 100,000 Btu/hr.						Minor Revision Level
125 = 125,000 Btu/hr						B = first minor revision

## ***Physical & Electrical***

## Blower Data

Model	Motor HP	Blower Wheel	Heat Settings				Cooling Adjustment	Cool Settings				
			Heating CFM @ .50 Static					Cooling CFM @ .50 Static				
			Setting "A"	Setting "B"	Setting "C"	Setting "D"		Setting "A"	Setting "B"	Setting "C"	Setting "D"	
MPGAV050B3	1/2	10 x 6	525	425	325	625	Nom	1200	1000	800	600	
							(+)	1380	1150	920	690	
							(-)	1020	850	680	510	
MPGAV075B3	1/2	10 x 6	740	640	540	840	Nom	1200	1000	800	600	
							(+)	1380	1150	920	690	
							(-)	1020	850	680	510	
MPGAV100B4	3/4	12 x 9	1250	1150	1050	1350	Nom	1600	1400	1200	1000	
							(+)	1800	1610	1380	1150	
							(-)	1360	1190	1020	850	
MPGAV125B5	3/4	12 x 12	1650	1550	1450	1750	Nom	2000	1800	1600	1400	
							(+)	2200	2070	1840	1610	
							(-)	1700	1530	1360	1190	

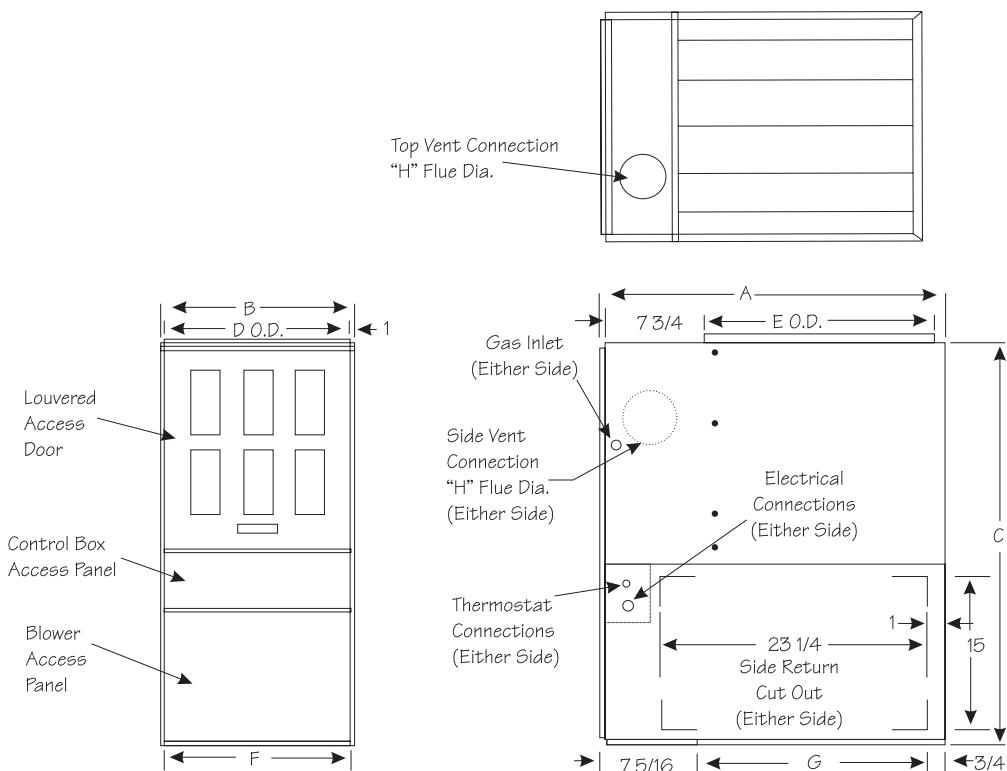
## Accessories

Kit Number	Description	Used with
20066501	Floor Base Kit for Counterflow	MPGAV050B3, MPGAV075B3
20066502	Floor Base Kit for Counterflow	MPGAV100B4
20066503	Floor Base Kit for Counterflow	MPGAV125B5
20285501	Natural to LP Gas Conversion Kit	All MPGAV's
20285601	LP to Natural Gas Conversion Kit	All MPGAV's
20069901	Filter Rack Kit	MPGAV050B3, MPGAV075B3, MPGAV100B4
20069902	Filter Rack Kit	MPGAV125B5
20284801	Vent Guard (Multi-pack)	All MPGAV's
20285401	Chimney Vent Adapter Kit	All MPGAV's

## Dimensions (in.)

Model Number	Dimensions			Supply Duct Opening		Return Duct Opening*		Side Return Cut Out	
	Length	Width	Height	D	E	F	G	H	J
	A	B	C						
MPGAV050B3	29 1/2	13 1/2	38 1/4	11 1/2	20 3/8	11 5/8	21 3/8	23 1/4	15
MPGAV075B3	29 1/2	13 1/2	38 1/4	11 1/2	20 3/8	11 5/8	21 3/8	23 1/4	15
MPGAV100B4	29 1/2	17	38 1/4	15	20 3/8	15 1/8	21 3/8	23 1/4	15
MPGAV125B5	29 1/2	20 1/2	38 1/4	18 1/2	20 3/8	18 5/8	21 3/8	23 1/4	15

\*Bottom door removed



## Clearances (in.)

Model	Top	Side	Front	Back	Vent
MPGAV050B3	2				
MPGAV075B3		1			
MPGAV100B4			6 <sup>2</sup>		
MPGAV125B5				3	6 <sup>1</sup>

<sup>1</sup> 1" if B1 vent is used

<sup>2</sup> 3" if B1 vent is used

30" should be allowed at the front of the unit for servicing

All specifications and illustrations  
subject to change without notice and  
without incurring obligations..

[www.ducanehvac.com](http://www.ducanehvac.com)

For more information, contact your local Ducane distributor.

